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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/682,067	10/09/2003	Mark B. Knudson	11587.1USCA	9479
22852	7590 04/11/2006		EXAMINER	
FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER			ISABELLA, DAVID J	
LLP 901 NEW Y	ORK AVENUE, NW		ART UNIT	PAPER NUMBER
WASHINGTON, DC 20001-4413			3738	

DATE MAILED: 04/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

·	Application No.	Applicant(s)	00-	
	10/682,067	KNUDSON ET	NUDSON ET AL.	
Office Action Summary	Examiner	Art Unit		
	DAVID J. ISABELLA	3738		
The MAILING DATE of this communication Period for Reply	appears on the cover sheet w	ith the correspondence	address	
• •	DIVIO SET TO EVDIDE AM	MONTH/S) OR THIRTY	(30) DAVS	
A SHORTENED STATUTORY PERIOD FOR RE WHICHEVER IS LONGER, FROM THE MAILING  - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication  - If NO period for reply is specified above, the maximum statutory pe  - Failure to reply within the set or extended period for reply will, by st Any reply received by the Office later than three months after the mearned patent term adjustment. See 37 CFR 1.704(b).	G DATE OF THIS COMMUNI R 1.136(a). In no event, however, may a riod will apply and will expire SIX (6) MOI latute, cause the application to become A	CATION. reply be timely filed NTHS from the mailing date of this BANDONED (35 U.S.C. § 133).	•	
Status				
1) Responsive to communication(s) filed on 1	0 January 2006.		•	
, <del>_</del> .	This action is non-final.			
3) Since this application is in condition for allo	wance except for formal mat	ters, prosecution as to t	he merits is	
closed in accordance with the practice und	er <i>Ex parte Quayle</i> , 1935 C.D	D. 11, 453 O.G. 213.	:	
Disposition of Claims				
4)⊠ Claim(s) <u>16-25 and 31-64</u> is/are pending in	the application.			
4a) Of the above claim(s) <u>17,23 and 25</u> is/a		tion.	•	
5) Claim(s) is/are allowed.				
6)⊠ Claim(s) <u>16,18-22,24 and 31-64</u> is/are reje	cted.		٠.	
7) Claim(s) is/are objected to.	•		: .	
8) Claim(s) are subject to restriction ar	nd/or election requirement.			
Application Papers				
9) The specification is objected to by the Exan	niner.			
10) The drawing(s) filed on is/are: a)		by the Examiner.	•	
Applicant may not request that any objection to			•	
Replacement drawing sheet(s) including the co			• ,	
11) ☐ The oath or declaration is objected to by the	e Examiner. Note the attache	d Office Action or form	PTO-152.	
Priority under 35 U.S.C. § 119				
12) Acknowledgment is made of a claim for fore	eign priority under 35 U.S.C.	§ 119(a)-(d) or (f).		
a) ☐ All b) ☐ Some * c) ☐ None of:				
1. Certified copies of the priority docum	nents have been received.			
2. Certified copies of the priority docum	nents have been received in A	Application No		
3. Copies of the certified copies of the	•	received in this Nation	al Stage	
application from the International Bu				
* See the attached detailed Office action for a	list of the certified copies not	received.		
			• :	
Attachment(s)				
1) Notice of References Cited (PTO-892)		Summary (PTO-413)		
2) Notice of Draftsperson's Patent Drawing Review (PTO-948 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SE Paper No(s)/Mail Date 11266		(s)/Mail Date Informal Patent Application (F 	PTO-152)	

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## Election/Restrictions

Applicant's election without traverse of the implant as embodied in figure 3A in the reply filed on 1/10/2006 is acknowledged.

Claims 17,23,25 have been withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention/species, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 1/10/2006.

Claims 1-15 and 26-30 have been cancelled. Currently claims 16,18-22,24 and 31-64 are pending for action.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

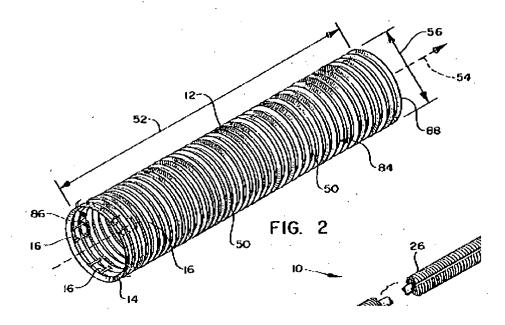
A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States

Claims 16,18-21,24,31,32,34,36,38,39,51,52,54,56,57,58,59,60,61,62 and 64 are rejected under 35 U.S.C. 102(b) as being anticipated by Lazarus [4787899].

Lazarus discloses a conduit comprising a hollow conduit having an interior and an exterior wherein the conduit has an attachment mechanism on at least one end adapted to anchor the conduit in place.

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The language "for use in a wall of a heart" and "adapted to postioned in the heart wall between a coronary vessel and a chamber in the heart" is directed to a method for using the "bypass conduit" and does not, in itself serve to further limit the structure of the conduit. Lazarus discloses a conduit that is for use in a lumen (eg. blood vessel or artery). The properties that are inherent in the conduit of Lazarus would equally allow for its placement in the heart wall between a coronary vessel and a chamber in the heart.

Claim 18 is directed to a method step of locating the left ventricle as the chamber. The claim does not further limit the structure or function of the device.

Claim 19, see barbs as illustrated in figures 3 and 4 of Lazarus.

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Claims 20 and 21, the function of the barbs, as disclosed by Lazarus, perform the function of anchoring the conduit to a soft tissue. The claims are directed to a method step for locating the anchor to a particular tissue and does not serve as further limiting the structure of the device as claimed.

Claim 24, the claim is similar to claim 16 and is broadly readable on Lazarus.

The recitation of "a vessel supporting mechanism does not distinguish over the barbs of Lazarus.

Claim 31, see rejection to claim 21 supra.

Claim 32, the conduit of Lazarus is designed to remain open during both systole and diastole and therefor meets the functional limitation of the claim.

Claim 34, see lumen 12.

Claim 36, the conduit of Lazarus is designed to remain open during both systole and diastole and therefor meets the functional limitation of the claim.

Claim 38, the conduit of Lazarus is deformable so as to conform to the interior surface of the tissue in which it is placed.

Claim 39, the barbs are configured for attaching to the inner surface of the tissue.

Claims 51,52,54,56,57,58,59,60,61,62 and 64, see rejections supra corresponding to the particular claimed subject matter in each claim.

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 16,18-21,22,24,31-36,38-45,47-62 and 64 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lazarus [4787899] in view of either of Robinson [4604762] or Lee [5123917].

While the device of Lazarus does not have additional supporting structures to aid in biasing the conduit to a non-collapsed position, each of Robinson and Lee teach the addition of flexible rings along the length of the conduit to provide strength to the conduit to resist collapsing of the lumen. To add supporting rings along the conduit of Lazarus to provide additional strength for biasing the lumen into an open position would have been obvious to one with ordinary skill in the art from the teachings of either of Lee or Robinson.

Claims 18-21,31-36,38-45,47-62 and 64, see rejections supra (see 102 rejections under Lazarus) corresponding to the particular claimed subject matter in each claim.

Claims 37,46 and 63 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lazarus [4787899] as modified and as applied to the claims above, and further in view of Bowen [2127903].

Bowens shows various known configuration of conduits used for augmentation and/or reconstruction of various in vivo tissues, organs and vessels. To form the conduit of Lazarus in a non-linear conduit as illustrated in figures 6,7 and 7a to better meet the in vivo applications and tissue requirements would have been obvious to one with ordinary skill in the art based upon routine surgical considerations.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to DAVID J. ISABELLA whose telephone number is 571-272-4749. The examiner can normally be reached on MONDAY-FRIDAY.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, CORRINE MCDERMOTT can be reached on 571-272-4754. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DAVID J ISABELLA Primary Examiner Art Unit 3738

DJI 4/3/2006